KB2010-03: UPGRADING CYBERLOGIC SOFTWARE TO V. 7.1

Version 7.1 of Cyberlogic's DHX, MBX and Crosslink Suites includes many new features, is easier to configure and use, and is compatible with the latest operating systems. For these reasons, Cyberlogic strongly encourages all users to upgrade to the latest version.

This article explains how to upgrade your Cyberlogic software to version 7.1 from versions 7.0, 6 or 5.

Applies To:

This article applies to you if you have any Cyberlogic product version 7.0, 6 or 5 installed in your system and you want to upgrade to version 7.1.

Note This article identifies the different versions by their major version numbers, without reference to any installed service packs or updates. If you have installed an update, that may be displayed along with the version number. For example, you may see *6.00.00+20080314*. However, the procedures for each major version are the same regardless of the update level, so you need not be concerned about the updates or service packs.

Issues:

There are several issues that may affect you, depending on the specific products and revision levels you currently have installed.

Licensing

You will need a version 7 license for the products you are upgrading.

- If you upgrade from version 7.0, your existing license will work with the 7.1 software.
- If you upgrade from an earlier version, you must obtain a license for version 7. Contact Cyberlogic's Sales Department by calling 248-631-2200 or emailing sales@cyberlogic.com for information on pricing. A discount is available for upgrades from version 6.

OPC Server Configuration

If you upgrade an OPC server product, you may need to import the old OPC server configuration into the new server.

OPC Client Configuration

If you upgrade an OPC server product, the ProgID used by OPC client applications may change. In that case, you must modify the client configuration to use the new ProgID.

DHX or MBX Gateway Driver Configuration

If you currently have a version 5 installation and you use the Remote DHX Driver or Remote MBX Driver, you must configure the DHX Gateway Driver or MBX Gateway Driver. These are new drivers that replace the Remote Drivers.

Activation

If you upgrade from version 6 or 5 software, you must activate the version 7.1 product. Upgrades from 7.0 to 7.1 do not require reactivation.

Procedure:

The following sections describe the steps you must follow to perform the upgrade. The procedure for each step will depend on the specific products and revision level you currently have installed. Some steps may not apply to you, so you will be instructed to skip them entirely.

Preparation and Software Installation

1. Obtain a version 7.1 copy of the Cyberlogic software product you wish to upgrade. You can download all of our products at www.cyberlogic.com. Please contact our Sales Department at sales@cyberlogic.com or 248-631-2200 if you want a copy on DVD.

2. If your current software is earlier than version 7.0, contact our Sales Department to purchase a version 7 license.

3. The OPC servers, device drivers and MBX Bridge all have their own configuration files. The upgrade installer will preserve these files, but we recommend that you back them up before you begin.

4. Stop all applications that use the Cyberlogic OPC Server or Cyberlogic drivers.

5. Do not uninstall the earlier version of the software. The installation software will handle that for you.

6. Start the software installation, and follow the prompts to select and install the desired products.

7. Following the installation, reboot the system when prompted.

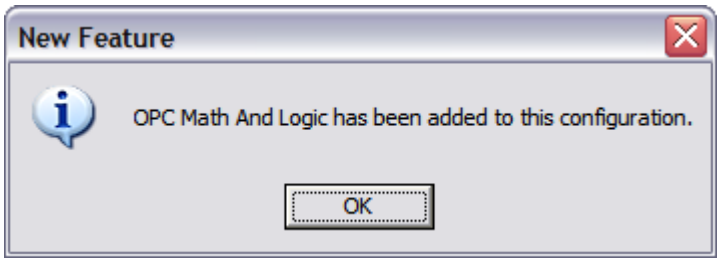
OPC Server Configuration Import

This section applies only to OPC products. If you are not upgrading an OPC server product, you can skip this section and the next, and go directly to Driver Configuration.

Upgrading from version 7.0

If you are upgrading an OPC server product from version 7.0, the OPC server configuration files are compatible with version 7.1.

The first time you open a configuration file that was created under version 7.0, the editor may display a notice that the new OPC Math and Logic feature has been added to the configuration.



Click ***OK*** to continue. There is nothing more you need to do to the OPC server configuration file.

Upgrading from version 6 or version 5

The version 7.1 software cannot directly use the older OPC server configuration files. However, you can easily import the configuration with the following procedure.

1. Open the OPC Server Configuration Editor and create a new, empty configuration.

2. From the ***File*** menu, select ***Import*** and then ***Full...*** .

3. The editor will warn you about data being overwritten. Click ***Yes*** to continue.

4. When the editor asks for the file type you want to import, select ***Cyberlogic OPC Server.mdb***.

5. Browse to locate the OPC server configuration file you want to import, and then open it.

6. Follow the prompts through the rest of the Import Wizard.

7. After the import is complete, click the ***Save & Update Server*** toolbar button.

OPC Server ProgID Modification

If you are not upgrading an OPC server product, you can skip this section and go directly to Driver Configuration.

OPC client applications use a ProgID to specify the server they will communicate with. Depending on your current products and configuration, the ProgID may change after the upgrade.

Note

The examples in this section use version-independent ProgIDs. Cyberlogic recommends using the version-independent ProgIDs, to avoid having to change the client configuration when the version changes. These ProgIDs are:

Cyberlogic.OPCServerDA
Cyberlogic.OPCServerAE

If you wish to use the version-dependent ProgIDs anyway, they are

Cyberlogic.OPCServerDA.7
Cyberlogic.OPCServerAE.7

Upgrading from version 7.0

If you are upgrading the OPC server from version 7.0, the ProgIDs do not change, so you can skip this section. However, if your clients currently use the version-dependent ProgIDs, you should consider changing to the version-independent ProgIDs.

Upgrading from version 6

The version 7.1 OPC servers use the same version-independent ProgIDs that version 6 used. Therefore, if your clients use the version-independent ProgIDs, no change is needed.

If your clients use the version-dependent ProgID, they will work with version 7.1, because the 7.1 software will respond to both the version 6 and version 7 ProgIDs. Therefore, again, no change is needed. As noted above, however, you should consider using the version-independent ProgID when you make this change.

Upgrading from the version 5 MBX OPC Server

In version 5, the MBX OPC Server used a different main OPC server component than the rest of the Cyberlogic OPC servers. Both the version-dependent and the version-independent ProgIDs for the DA and AE servers were different than those used in version 7.1. Therefore, if you are upgrading a version 5 MBX OPC Server, your OPC clients' configurations must be modified to reflect these changes.

- OPC DA client configurations must be modified to change the ProgID to ***Cyberlogic.OPCServerDA.***
- OPC AE client configurations must be modified to change the ProgID to ***Cyberlogic.OPCServerAE.***

Upgrading from the version 5 DHX OPC Server

The version 5 DHX OPC Server used the same version-independent ProgID as is used in version 7.1. Therefore, if your client is configured to use the version-independent ProgID, no change is needed.

If your client uses the version-dependent ProgID, it must be updated.

- OPC DA client configurations must be modified to change the ProgID to ***Cyberlogic.OPCServerDA.***
- OPC AE client configurations must be modified to change the ProgID to ***Cyberlogic.OPCServerAE.***

Driver Configuration

All Cyberlogic software suites include a set of device drivers, so you should review this section to see how it applies to you.

Upgrading version 7.0 and version 6 drivers

The configuration of all version 7.0 and version 6 drivers—DHX Driver, Ethernet DHX Driver, Serial DHX Driver, Virtual DHX Driver, DHX Gateway Driver, MBX Driver, Ethernet MBX Driver, Serial MBX Driver, Virtual MBX Driver and MBX Gateway Driver—is compatible with version 7.1 and does not require any configuration changes or imports.

Upgrading version 5 drivers

Version 5 products included either the Remote DHX Driver or the Remote MBX Driver, but these have since been replaced with the DHX Gateway Driver and MBX Gateway Driver. The Gateway Driver cannot use or import the Remote Driver configuration, so if your systems used a Remote Driver, you must configure the Gateway Driver manually.

Caution! You must do this on all of the affected systems. That is, each system that was configured as a Remote DHX client or server, or as a Remote MBX client or server, must now have the new Gateway Driver installed and configured.

The remaining drivers—DHX Driver, Ethernet DHX Driver, Serial DHX Driver, Virtual DHX Driver, MBX Driver, Ethernet MBX Driver, Serial MBX Driver and Virtual MBX Driver—do not require any configuration changes or imports.

Activation

Software that is not activated will run continuously for two weeks. After those two weeks, it will revert to a demo mode. In that mode, the software runs for only two hours, after which you must re-boot the system to permit another two hours of operation.

- If your system originally had version 7.0 software installed and activated, then version 7.1 is already activated. You can skip this section.

- If your system originally had version 7.0 software installed, but not activated, then version 7.1 is not activated. You must activate it to maintain continuous operation.
- If your system originally had version 6 or 5 software installed, activated or not, then version 7.1 is not activated. You must activate it to maintain continuous operation.

Activation procedure

1. Locate your version 7 serial number and password. You will find them on the DVD case insert, in the confirmation e-mail sent by Cyberlogic, or on Cyberlogic's invoice.

2. Open the Windows ***Start*** menu, go to ***Programs***, and then navigate to the folder for the Cyberlogic product that you have installed.

3. Select ***Activation*** to open the Activation Wizard.

4. Select the product you wish to activate and follow the prompts. Refer to the help file for a detailed explanation of the various activation methods.

Technical Support

If you have any questions or problems with these procedures, please contact Cyberlogic's Technical Support group by emailing techsupport@cyberlogic.com, or by calling 248-631-2288.